



STDN DAILY REPORT
FOR GMT DAYS
19, 20 AND 21 MARCH , 2001

Part I. Operations

19 March

A. SN Anomalies - None.

B. ISS/ECOMM ANOMALIES - None.

C. GN Anomalies:

1. WGS/FUSE Support

19/0025-0034Z

The station report commands were coming in to the system, but not being uplinked to the S/C. An error message appeared stating that the commands had not been processed. The system was rebooted to clear the anomaly. The project replied this is an ongoing problem and may need software engineering support to correct this problem. TTR # 23737 CDS # 18318

9 Mins Svc/Data Loss (Recov Unk).

2. AGS/TRACE Support

19/0130-0205Z

LEO-T failed to configure for this support, checked the schedule and nothing was in it for after day change. The system was rebooted and new ephemeris was down loaded to LEO-T. The operator manually input the schedule for DOY 078. No events were lost and LEO-T was able to support all of it's scheduled events. TTR # 23742 CDS # 18332

LEO-T No Svc/Data Loss Declared.

3. AGS/QST Support

19/0544-0552Z

While using the FTP function of the Master computer to print out the DQM logs of the previous EO1 pass, the master computer caused the SCC to lock up once the FTP function started reason unknown. This is an ongoing problem since the last upgrade on the Master, and before and after the latest upgrade on the SCC. TTR # 23744 CDS # 18316

11 meter No Svc/Data Loss Declared.

4. WSG/TRACE Support

19/1028-1038Z

The project reported excessive CRC errors on both FEPS reason unknown. Following LOS the operator rebooted their systems to clear the anomaly. TTR # 23743 CDS # 18336

TOTS 10 Mins Data loss (Recov)

5. AGS/CHP Support

19/1130-1145Z

The Master computer lost communications to sockets for the SCC reason unknown. The operator exit the program, and without rebooting the PC on which it resides restarted the Master program which seems to have stopped the error messages. TTR # 23745 CDS # 18317

11 Meter No Data Loss declared

6. WGS/IRS-P3 Support

19/1501-1512Z

Wallops reported no D/L from the S/C reason unknown. Another antenna was configured with the same results Wallops reported no problems on their end. TTR # 23739 CDS # 18320

11 Mins 05 Secs Svc/Data Loss (Recov Unk)

7. SGS/EO1 Support

19/1743-1756Z

EO1 MOC did not see commands getting through to their S/C, commands were on their PTPs reason unknown. The system was rebooted to clear the anomaly. TTR # 23740 CDS # 183232.

. No Data/ Svc declared by project.

8. AGS/LSAT-7 Support

19/1930-1943Z

The model 782 SC generator was left configured for Champ support which requires a data rate of 4 kbps vice the 2 kbps. This resulted in a loss of command service during the first part of the support. The problem was identified and cleared with sufficient time to complete all command objectives for this support. TTR # 23741 CDS # 18326.

11 Meter 13 Mins Svc Loss

20 March

A. SN Anomalies: - None.

B. ISS/ECOMM Anomalies - None.

1. WGS/ISS Support

20/1313-1322Z

Station Operator error operator failed to be in area during schedule support and inadvertently missed pass. Project failed to verify downlink and uplink until after the support was completed. TTR # 23746 CDS ID # 18340

VHF 1313-1322Z 9 Min. Svc/Data Loss (Recov Unknown)

C. GN Anomalies

1. AGS/EO-1 Support

20/1836-1848Z

The antenna AZ axis went to standby after positioning to the IP.

During the acquisition period the operator noted the spacecraft signal appeared in the down link spectrum for ~30 seconds and then it disappeared. ~ 2 minutes into the pass the operator observed that the AZ axis was in standby and initiated corrective action and placed the AZ axis in rate. The antenna moved to the programmed angle and reacquired the satellite. TTR # 23747
CDS ID # 18341

11 METER 11 Min. Svc/Loss

21 March

A. SN Anomalies: - None.

B. ISS/ECOMM Anomalies

1. ISS Support

21/161602-163202Z

This SHO was downloading at the time of an anomalous KTTC ADPE failover. The SHO did reside in the USS ADPE but did not in the KTTC ADPE. Not residing in the TTC resulted in no SA antenna pointing. After a forced failover of the KTTC ADPE at 16:16Z, WSC canceled the sho and re-entered it locally with a new start time of 1632Z.

171 SSA1F/R & KSA1F/R 1616-1643Z 16 Mins Service/Data Loss Non-Recoverable

C. GN Anomalies

1. SGS Support

21/1058-1113Z

At 11:01:30 we lost autotrack on x-band. The antenna was forced to S-LHCP at 10:02:40. S-band tracking was good. At 11:06:10 we tried to switch back to Auto-Div but again we lost x-band track and had to force S-LHCP (11:06:30). Playback of the tapes shows a lot of CRC/VCDU/CADU- errors. Processing will show how much data that was lost. TTR # 23750 CDS ID#

18344

11M 1 Min. 30 Secs. Service/Data Loss Recoverable
(unknown)

2. WGS/IP3 Support

21/1421-1428Z

No downlink during support. System appeared to function normally. TTR # 23751 CDS ID# 18346

LEO-T 7 Mins. Service/Data Loss Recoverable(unknown)

3. WGS/SOLAR Support

21/1356-1405Z

Support was only 7.8 MAX EL and dump was on at AOS. This caused a data loss. TTR # 23752 CDS ID# 18347

9M 22 Secs. Service/Data Loss Recoverable(unknown)

4. WGS/TOMS-EP Support

21/1622-1636Z

TOMS reported receiving sequence errors during the 202 dump. Attempted a second dump with another receiver, with the same results. Post pass attempted a playback from tape with same results. Project reported that they have seen this problem over the past few days on all our antenna systems 9 Meter, 11 Meter and TOTS. Troubleshooting traced problem to one of three T1s lines bad between Wallops and Goddard. Bad T1 was removed from system and playback was completed from tape with no errors. The bad T1 has been logged out to the carrier for repair. All data for this support was recovered from tape error free. Good support. TTR # 23753 CDS ID# 18351

11M 14 Mins. Service Loss

5. AGS/LSAT-7 Support

21/205711-205912Z

Site personnel were troubleshooting the X band demodulator/bit sync data flow path for an intermittent sync lock problem before the scheduled LandSat support. When it was deemed necessary

to prepare for the upcoming support, an IF distribution panel patching cable was left patched to the intermittent path under test. This resulted in bit sync loss for the X band path for two minutes and one second, therefore no data recorded. However, LandSat had on this occasion chosen to start the X band download with PN data versus frame data. The X data path was modified just prior to the end of PN data flow and the beginning of frame data. TTR # 23754 CDS ID# 18352

11M 2055-2110Z 2 Mins. 1 Sec. Service Loss

D. STS-102 landed at 0713Z was nominal.

Part II . Testing Anomalies

A. SN Test - None.

B. GN Test - None.

Part III. Equipment Status Changes - None.

\$ = Changed ETRO

** = New Items

Part IV. Scheduled Activities:

GOES-M I&T Telemetry Tracking and Command Test DSN/GDS
22/1315-1530Z

GOES-M Proficiency Telemetry Flow HANGER-AE-ANTIGUA
22/1500-1700Z

AQUA EGS #5.b.1 Alaska X-Band TLM to EDOS/LZPF/EOC Test
22/1600-1900Z

AGS/SGS/WGS TERRA GSIP Parallel Operations Phase II Test
22/1851-1901Z

MTRS-2 TDRS Test

22/2030-23/0240Z

Part V. Launch Forecast Changes:

* 1.) M2100LS (STS-100/ISS-09-6A) 109 19 APR.,2001 T-0 =
1912Z